

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>BA9323 PCT</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/US2004/042302</b>	International filing date (day/month/year) <b>16/12/2004</b>	(Earliest) Priority Date (day/month/year) <b>19/12/2003</b>
Applicant <b>E.I. DUPONT DE NEMOURS AND COMPANY</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No PCT/US2004/042302
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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D239/42 A01N43/54
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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MIDDLETON W J ET AL: "Cyanocarbon Chemistry. IX. Heterocyclic Compounds from Dicyanoketene acetals" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 80, 5 June 1958 (1958-06-05), pages 2829-2832, XP002329235 Compound XII ----- EP 0 136 976 A (CIBA-GEIGY AG) 10 April 1985 (1985-04-10) cited in the application page 1, line 1; claim 21; figure 2 ----- US 4 014 677 A (FISCHER ET AL) 29 March 1977 (1977-03-29) column 1, line 19 - column 2, line 15 -----	1  1-14  1-14
A		

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## ° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

24 May 2005

Date of mailing of the international search report

08/06/2005

Name and mailing address of the ISA

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/US2004/042302

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
EP 0136976	A	10-04-1985	EP 0136976 A2		10-04-1985
			JP 60072808 A		24-04-1985
US 4014677	A	29-03-1977	CH 595061 A5		31-01-1978
			AT 344750 B		10-08-1978
			AT 355675 A		15-12-1977
			AU 498132 B2		15-02-1979
			AU 8105575 A		18-11-1976
			BE 828869 A1		10-11-1975
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			ES 437518 A1		01-01-1977
			FR 2270249 A1		05-12-1975
			GB 1501935 A		22-02-1978
			IL 47256 A		31-01-1979
			IT 1044287 B		20-03-1980
			JP 50155624 A		16-12-1975
			NL 7505503 A		12-11-1975
			ZA 7502999 A		28-04-1976